

Message Text

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ORIGIN EB-07

INFO OCT-01 ARA-10 ISO-00 CCO-00 CIAE-00 OTPE-00 FCC-02

INR-07 NSAE-00 RSC-01 COME-00 BIB-01 OC-05 AID-05

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DRAFTED BY FCC:FJWILLIAMS/EB/TT/TD:DANDERSON:SP

APPROVED BY EB/TD:RTBLACK

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R 302246Z JAN 75

FM SECSTATE WASHDC

TO AMEMBASSY CARACAS

UNCLAS STATE 022129

E.O. 11652: N/A

TAGS: ETEL, VE

SUBJECT: REQUEST FOR INFORMATION FROM FEDERAL COMMUNICATIONS COMMISSION

REF: CARACAS 1113

FROM FCC

1. HERewith SELECTED TECHNICAL DETAILS ON LAND MOBILE STATIONS AT VHF AND UHF AS REQUESTED REFTel. (NOTE: COPIES OF FCC RULES, PARTS 89, 91, 93, AIRMAILED BY FCC IN EARLY 1974 TO DIRECTOR OF TELECOMMUNICATIONS, MINISTRY OF COMMUNICATIONS, CONTAIN MORE DETAILED INFORMATION ON SOME LAND MOBILE SERVICES, INCLUDING PUBLIC SAFETY.)

2. MAXIMUM POWER, BASE STATIONS: 600 WATTS. ANTENNA HEIGHT AND GAIN FOR BASE STATIONS UNCONTROLLED EXCEPT IN AIRCRAFT APPROACH AREAS.

3. EMISSION: F3 (FM VOICE) PREDOMINANTLY, SOME DATA TRANSMISSION.

4. MAXIMUM AUDIO BASE BAND: 3 KHZ. TYPICAL FIGURE UNCLASSIFIED

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IS 2 KHZ. FOR REMOTE PICKUP HIGHER FIGURE PERMITTED ON

ACCOUNT OF NEED FOR HIGHER FIDELITY. COMMON CARRIERS (MOBILE TELEPHONES FOR HIRE) ARE AUTHORIZED SLIGHTLY DIFFERENT PARAMETERS SINCE THEY MAY CONNECT INTO LAND LINE SYSTEMS WHICH IN PART TONE CONTROLLED.

5. MAXIMUM TRANSMITTER POWERS FOR MOBILE STATIONS VARY FROM FREQUENCY TO FREQUENCY BUT TYPICAL UPPER LIMIT IS 150 WATTS CARRIER POWER. NO CONSTRAINT ON MOBILE ANTENNAS. TYPICAL GAIN OF MOBILE ANTENNA 3 TO 6 DB.

6. SINGLE OR MULTIPLE REPEATER SYSTEMS NOT UNUSUAL AS DICTATED BY EXTENT AND COMPLEXITY OF COMMUNICATION NEEDS.

7. BANDS ALLOCATED FOR NONGOVERNMENT LAND MOBILE USE ARE AS FOLLOWS: "LOW": 30 TO 50 MHZ. "HIGH": 150.8 TO 174 MHZ. UHF: 450 TO 470 MHZ.

8. CHANNELING: 15 KHZ, INHERENTLY REQUIRING RECEIVERS WITH HIGH SELECTIVITY.

9. DEVIATION: 5 KHZ (100 PER CENT MODULATION).

10. FREQUENCY TOLERANCE: .0005 PER CENT (EQUIVALENT OF FIVE PARTS PER MILLION) AT VHF ("LOW" AND "HIGH" BANDS), .00025 PER CENT (TWO POINT FIVE PPM) AT UHF.

11. FCC RULES SPECIFY SHARING CRITERIA FOR ALL LAND MOBILE SERVICES. THESE ARE GEOGRAPHICAL DISTANCES THAT MUST SEPARATE CO-CHANNEL (SAME CHANNEL) USE AND ADJACENT CHANNEL USE. SERVICES, SUCH AS PUBLIC SAFETY, WITH HIGH PRIORITY ARE SUBJECT TO GREATER DISTANCES. KISSINGER

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: DATA, RADIO EQUIPMENT
Control Number: n/a
Copy: SINGLE
Draft Date: 30 JAN 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE022129
Document Source: CORE
Document Unique ID: 00
Drafter: FJWILLIAMS/EB/TT/TD:DANDERSON:SP
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D750035-1085
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t1975015/aaaaaejn.tel
Line Count: 95
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN EB
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 75 CARACAS 1113
Review Action: RELEASED, APPROVED
Review Authority: greeneet
Review Comment: n/a
Review Content Flags:
Review Date: 04 DEC 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <04 DEC 2003 by MaustMC>; APPROVED <30 DEC 2003 by greeneet>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
05 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: REQUEST FOR INFORMATION FROM FEDERAL COMMUNICATIONS COMMISSION
TAGS: ETEL, VE, FCC
To: CARACAS
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006